San Joaquin Water Quality Management Group

Conceptual Plan for Achieving Salinity/Boron Objectives

Overview

- Who we are
- General Structural Elements of Conceptual Plan
- Definition of Tools and Management Strategies
- Accountability Structure
- Plan Development Schedule

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- U.S. Bureau of Reclamation
- Department of Water Resources
- Central California Irrigation District
- Friant Water Users Authority
- Grassland Water District
- James Irrigation District
- Merced Irrigation District
- Modesto Irrigation District
- Oakdale Irrigation District
- San Luis Canal Company, Exchange Contractor
- San Joaquin County and Delta Water Quality Coalition
- San Joaquin County RCD
- San Joaquin River Exchange Contractors Water Authority
- San Joaquin Valley Drainage Authority
- San Joaquin River Group
- San Luis and Delta Mendota Water Authority
- South San Joaquin Irrigation District
- State Water Contractors
- Tranquility Irrigation District
- Turlock Irrigation District
- Venice Island RD 2023
- California Farm Bureau
- Western Growers
- Wine Institute

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General Structural Elements

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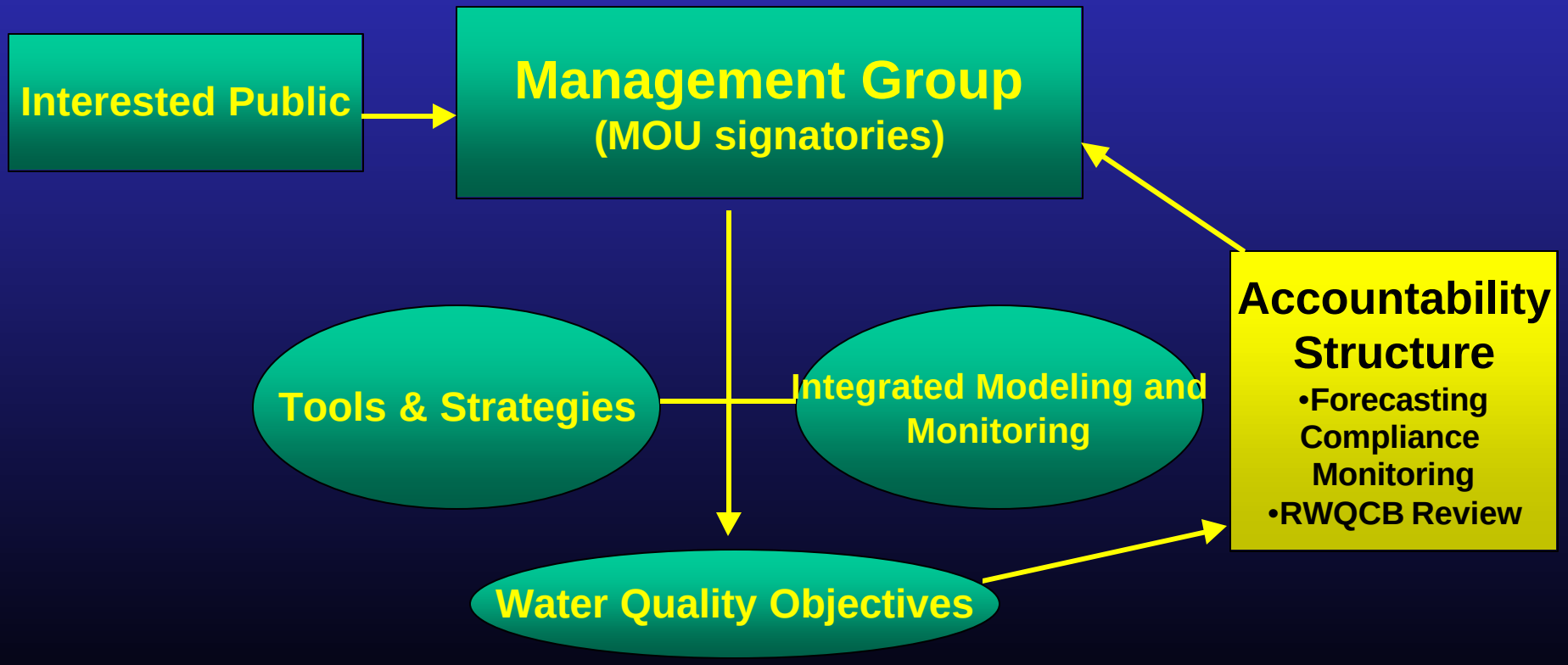
General Structural Elements cont.



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Definition of Tools and Management Strategies:

Flow Related Actions

- Recirculation: Analysis of recirculating water into the San Joaquin River from CVP/SWP facilities.
- Tributary coordination: operators coordinate releases for water quality
- Water purchases: water for enhanced water quality flows

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Definition of Tools and Management Strategies *continued*.

Flow Related Actions

- Transfers and exchanges: adjust and coordinate timing of ongoing transfer activity to optimize water quality
- VAMP: Flexible VAMP operations to achieve additional water quality benefits
- Other flows: additional WWTP flows where beneficial

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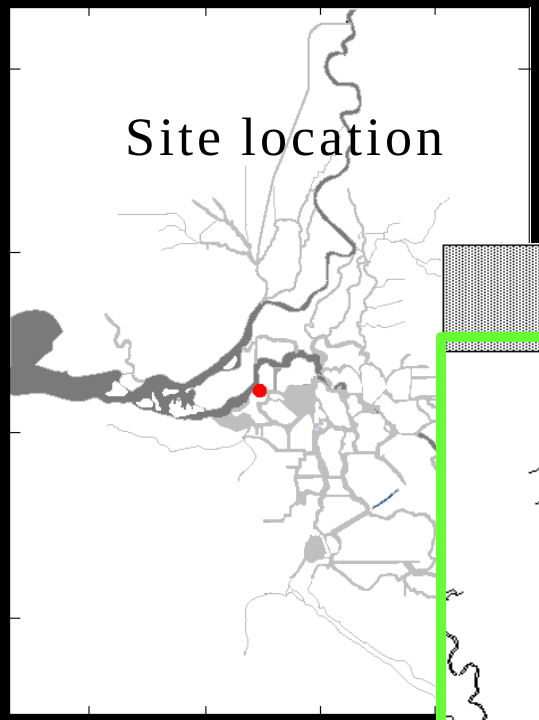
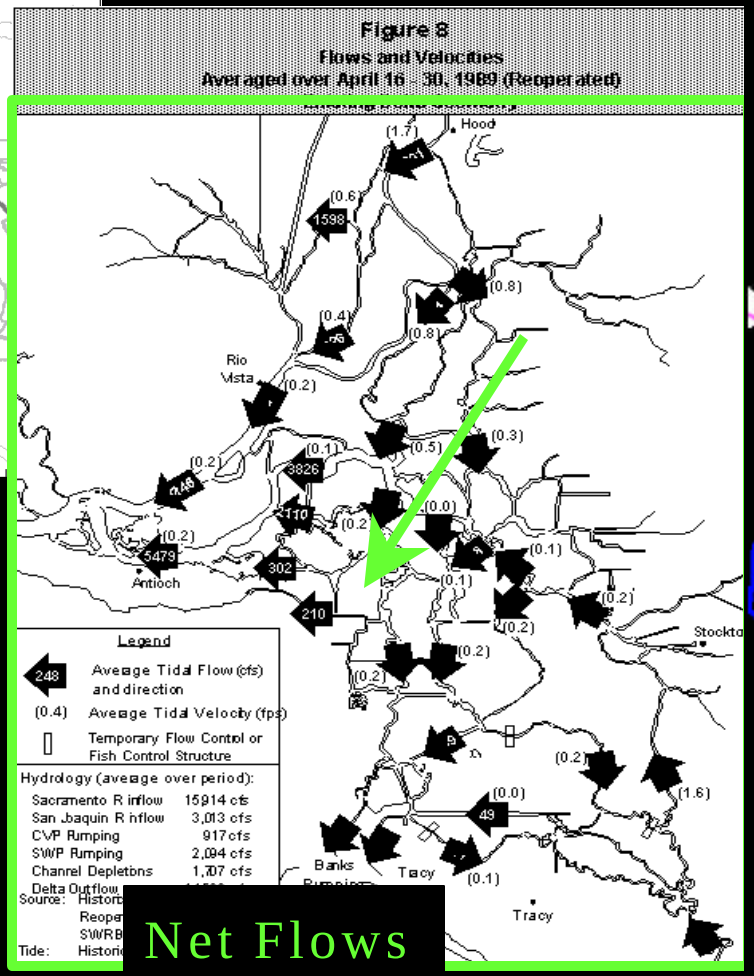
Definition of Tools and Management Strategies *continued.*

Salinity Control Actions

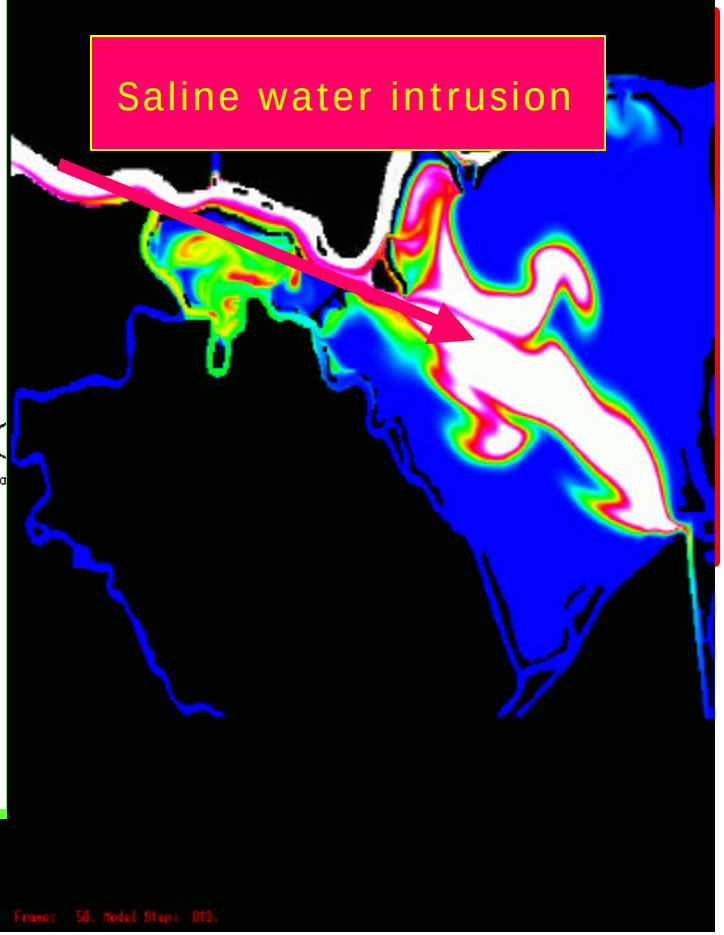
- Sub-basin load reduction and management programs:
  - Grassland Bypass Project area
  - Wildlife areas
  - Exchange Contractors
  - Upper DMC *(Northwest region)*
  - Other areas
- Expansion of Ag BMPs: introduce effective load reduction and management elements into additional areas of the watershed

Salinity Control Actions: Franks Tract Salt Entrapment

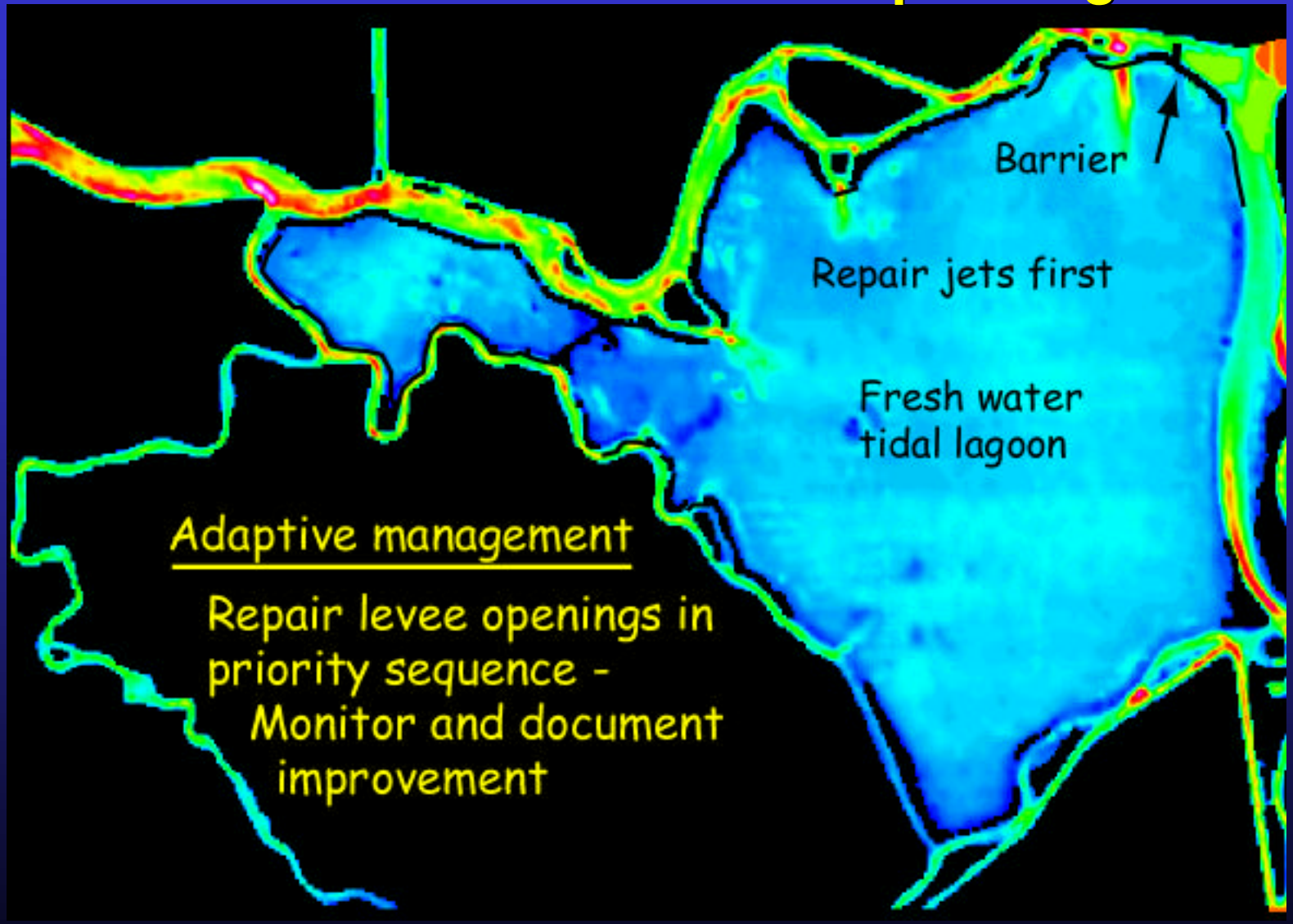




Net Flows



Franks Tract Reclamation – repairing levees



South Delta Improvement Program

- barrier operations to regulate in –Delta water quality and reduce export of salts

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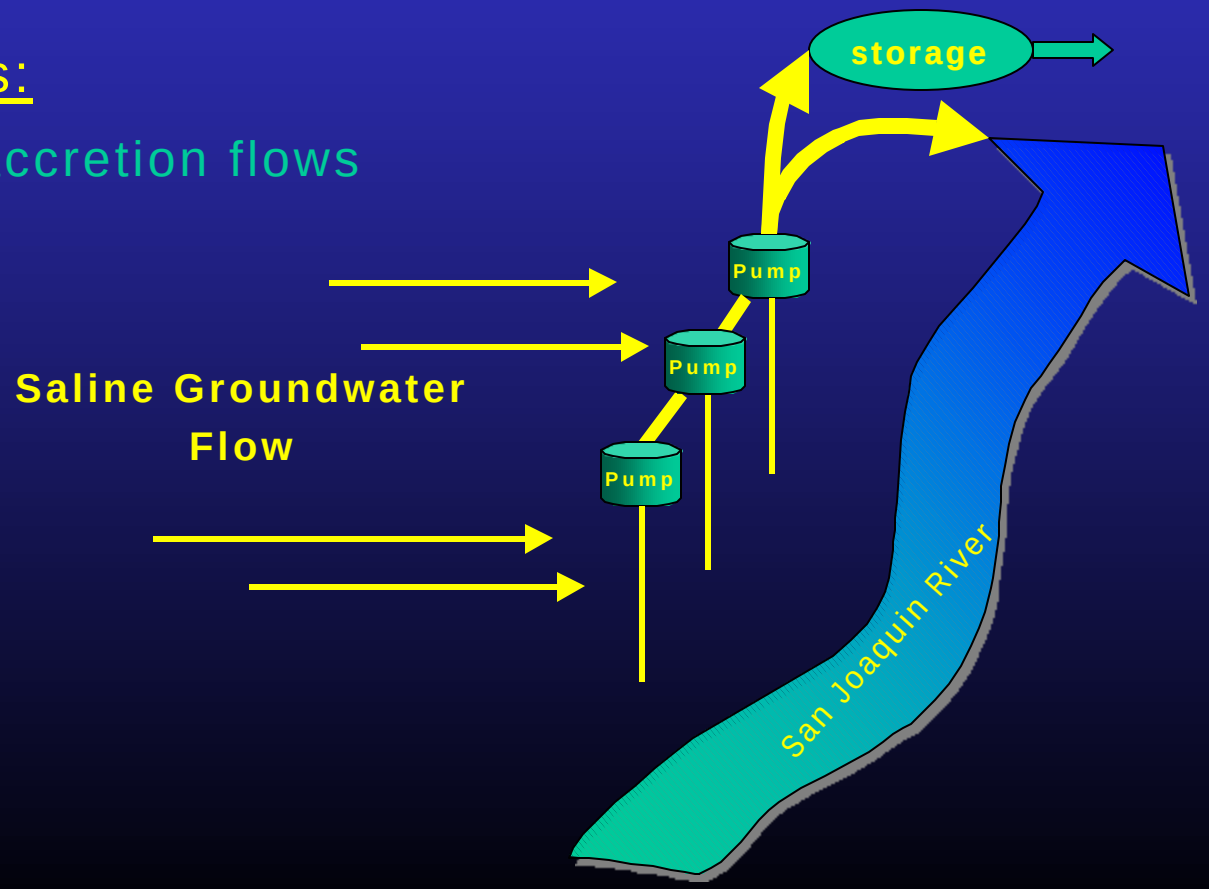
Definition of Tools and Management Strategies *continued.*

Salinity Control Actions:

Management of saline accretion flows



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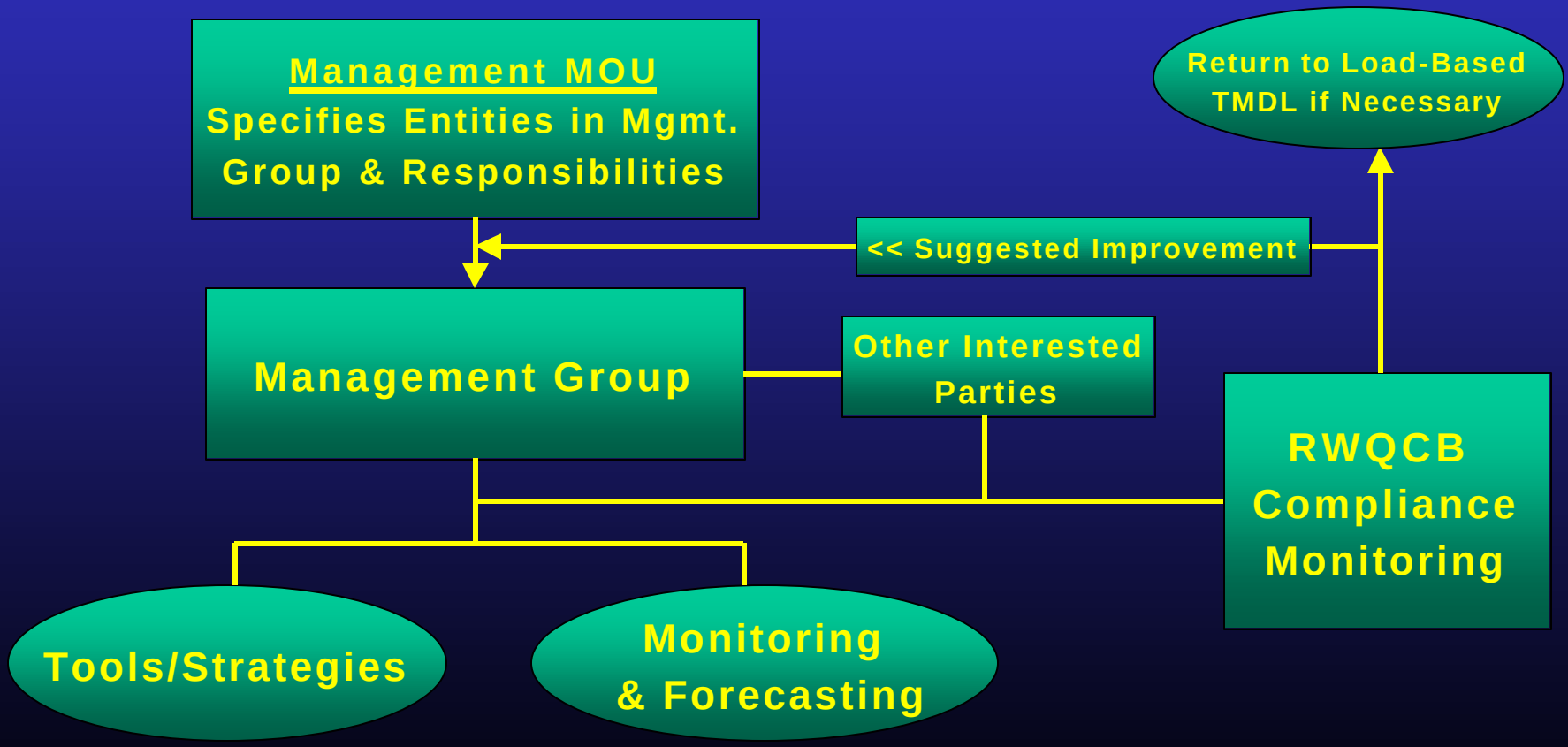
Accountability Structure (Assurances for Performance)



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Proposed Schedule

Activity	May		June		July		August		September		October		November	
Draft Workplan and Project Team														
Develop Modeling Tools														
Refine Project Elements/Data														
Assess Effects of Combined Elements														
Develop Monitoring Needs														
Develop Project Staging														
Develop Project Element Implementation Plans														
Develop Summary Implementation Plan														
Coordination with CALFED and DWR														
Develop Implementation MOU														
Progress Reports to RWQCB														